

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083022\
 Data File : VN074188.D
 Acq On : 31 Aug 2022 00:57
 Operator : JC\MD
 Sample : PB147340ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB147340ZHE#07

Quant Time: Aug 31 07:06:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 07:02:40 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

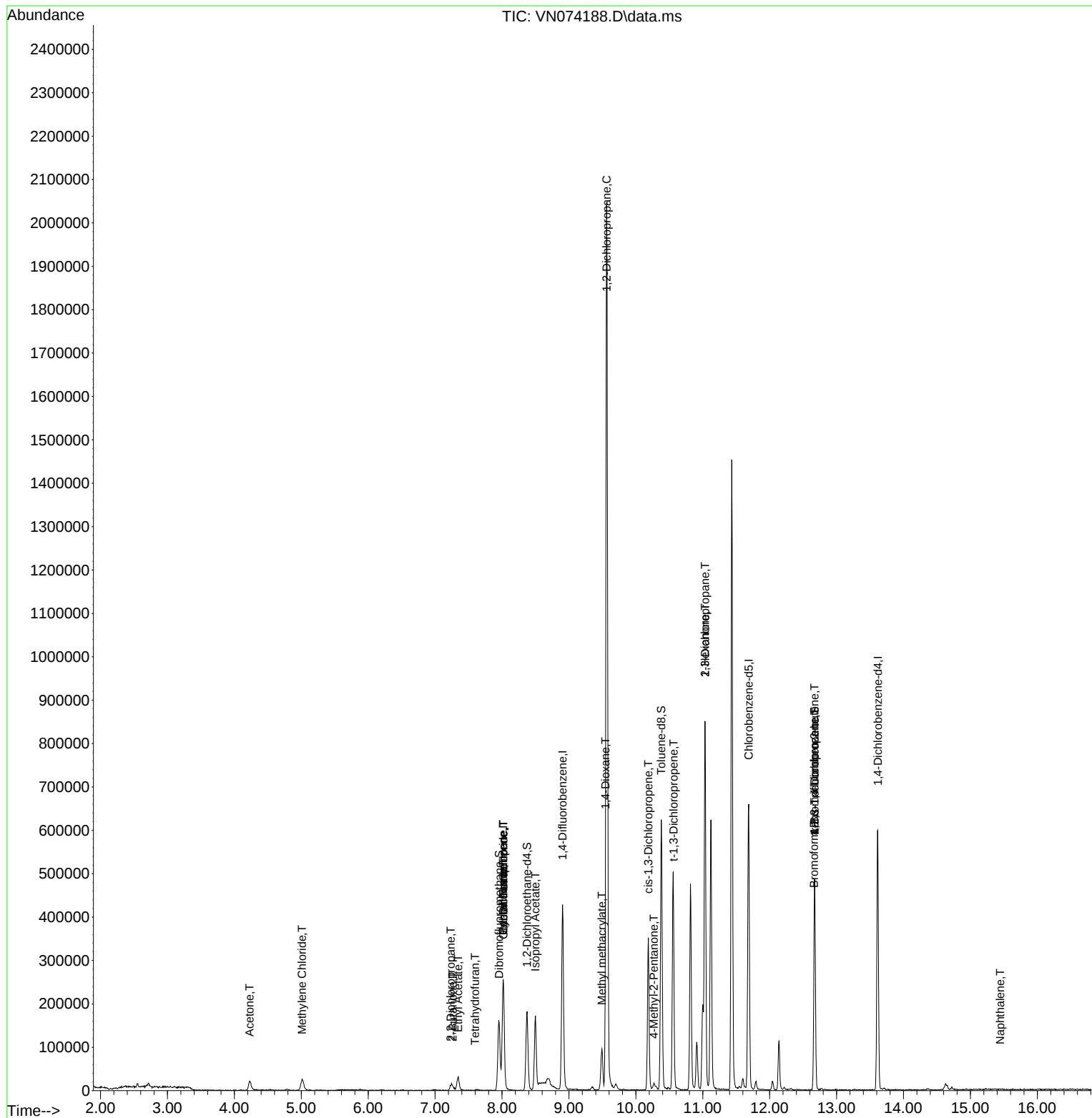
Internal Standards						
1) Pentafluorobenzene	8.016	168	174715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	343842	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	350705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	147303	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	139594	51.506	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.020%			
35) Dibromofluoromethane	7.957	113	113963	50.934	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.860%			
50) Toluene-d8	10.381	98	395915	44.932	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 89.860%			
62) 4-Bromofluorobenzene	12.669	95	147895	55.193	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.380%			
Target Compounds						
					Qvalue	
6) Chloroethane	2.958	64	1311	Below Cal	#	42
11) Tert butyl alcohol	5.275	59	653	Below Cal	#	72
16) Acetone	4.228	43	36708	20.269	ug/l	94
18) Methyl Acetate	4.793	43	5900	Below Cal	#	63
20) Methylene Chloride	5.010	84	18032	5.458	ug/l	81
25) 2-Butanone	7.263	43	8663	2.990	ug/l	94
26) 2,2-Dichloropropane	7.234	77	608	0.472	ug/l	53
29) Tetrahydrofuran	7.598	42	747	0.405	ug/l	50
31) Cyclohexane	8.016	56	5560	1.242	ug/l	52
36) 1,1-Dichloropropene	8.016	75	17154	4.725	ug/l	48
37) Ethyl Acetate	7.345	43	50727	8.355	ug/l	92
38) Carbon Tetrachloride	8.022	117	19294	5.853	ug/l	23
43) Isopropyl Acetate	8.498	43	189672	23.239	ug/l	83
45) 1,2-Dichloropropane	9.563	63	2919	0.948	ug/l	44
48) Methyl methacrylate	9.492	41	6601	1.703	ug/l	37
49) 1,4-Dioxane	9.545	88	78	0.933	ug/l	25
51) 4-Methyl-2-Pentanone	10.269	43	17379	2.934	ug/l	62
53) t-1,3-Dichloropropene	10.563	75	1629	0.427	ug/l	60
54) cis-1,3-Dichloropropene	10.186	75	55334	12.941	ug/l	70
57) 1,3-Dichloropropane	11.033	76	7969	1.578	ug/l	42
59) 2-Hexanone	11.033	43	128137	28.505	ug/l	46
71) Bromoform	12.663	173	1409	0.593	ug/l	1
76) 1,2,3-Trichloropropane	12.669	75	85216	23.127	ug/l	1
81) trans-1,4-Dichloro-2-b...	12.669	75	85216	60.048	ug/l	11
95) Naphthalene	15.445	128	692	1.212	ug/l	69

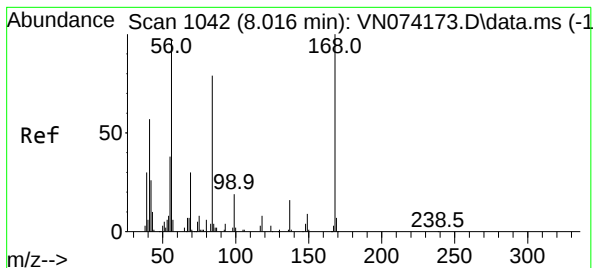
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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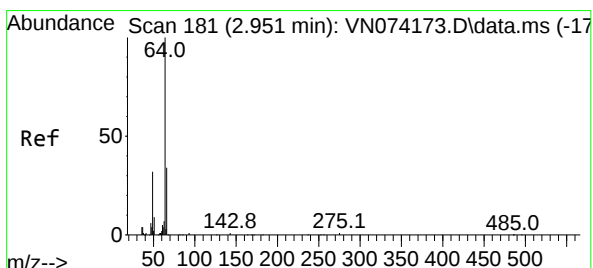
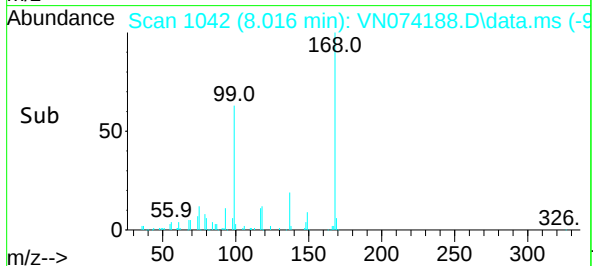
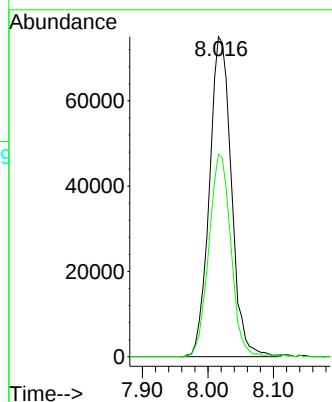
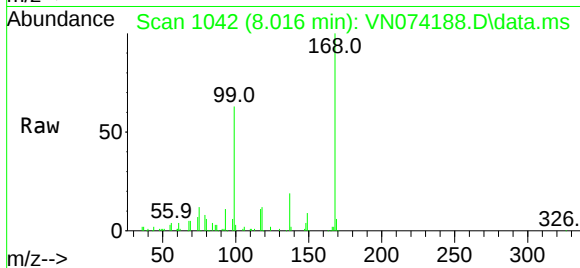




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VN074188.D
Acq: 31 Aug 2022 00:57

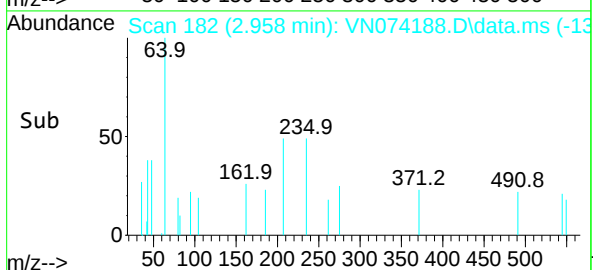
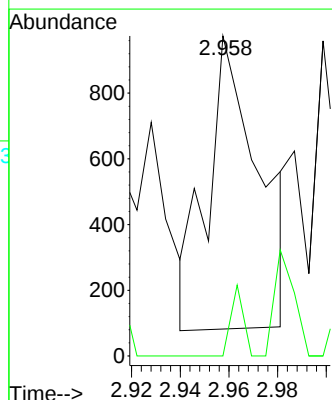
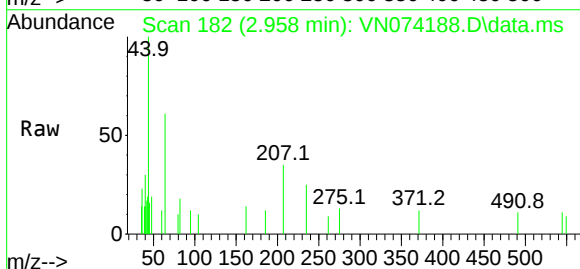
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#07

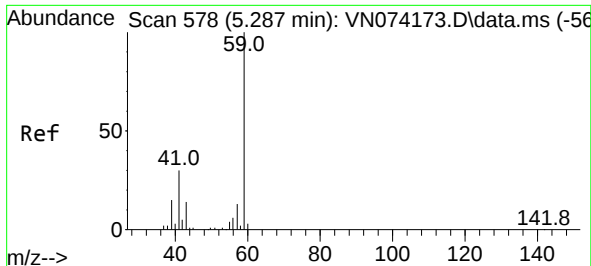
Tgt Ion:168 Resp: 174715
Ion Ratio Lower Upper
168 100
99 63.3 42.3 63.5



#6
Chloroethane
Concen: Below Cal
RT: 2.958 min Scan# 182
Delta R.T. 0.006 min
Lab File: VN074188.D
Acq: 31 Aug 2022 00:57

Tgt Ion: 64 Resp: 1311
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.275 min Scan# 51

Delta R.T. -0.012 min

Lab File: VN074188.D

Acq: 31 Aug 2022 00:57

Instrument :

MSVOA_N

ClientSampleId :

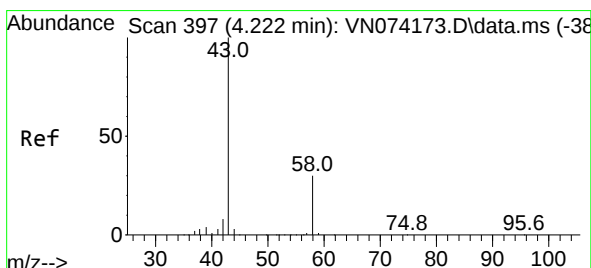
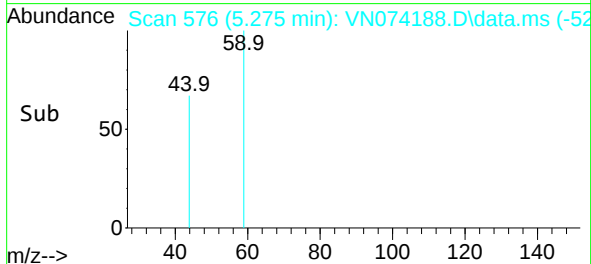
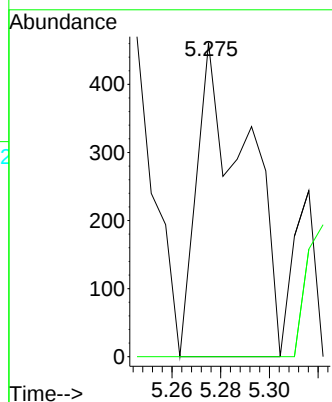
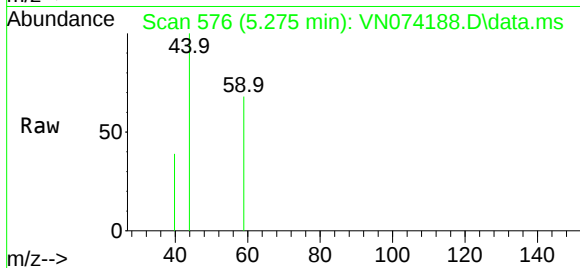
PB147340ZHE#07

Tgt Ion: 59 Resp: 653

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 20.269 ug/l

RT: 4.228 min Scan# 398

Delta R.T. 0.006 min

Lab File: VN074188.D

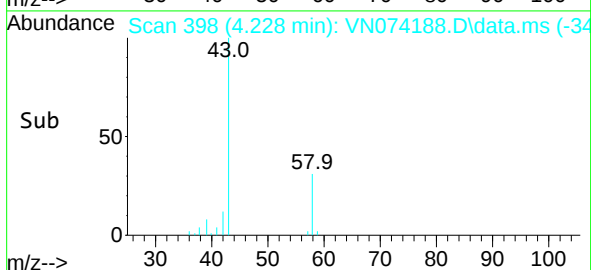
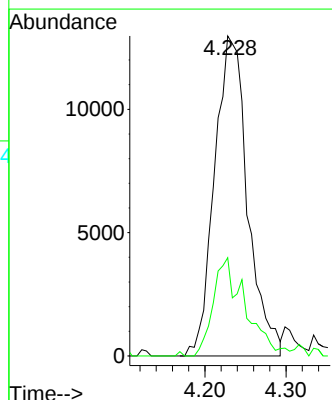
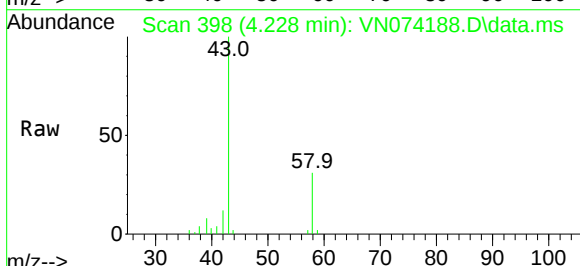
Acq: 31 Aug 2022 00:57

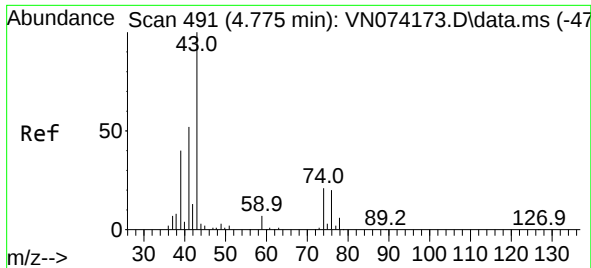
Tgt Ion: 43 Resp: 36708

Ion Ratio Lower Upper

43 100

58 29.3 26.0 39.0

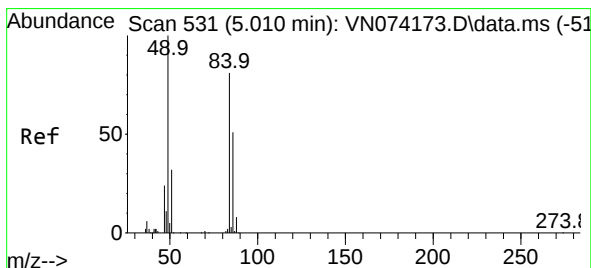
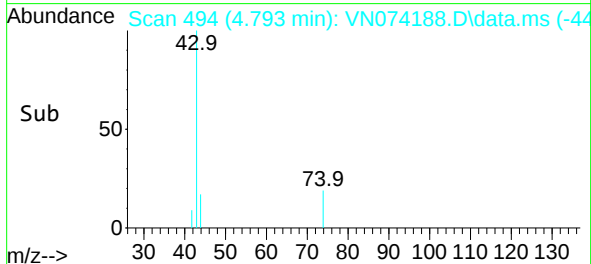
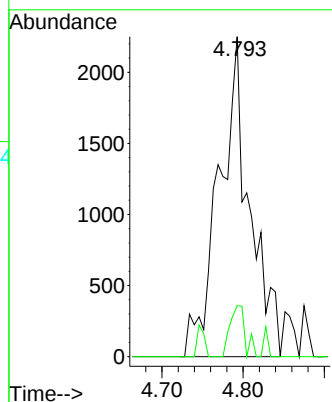
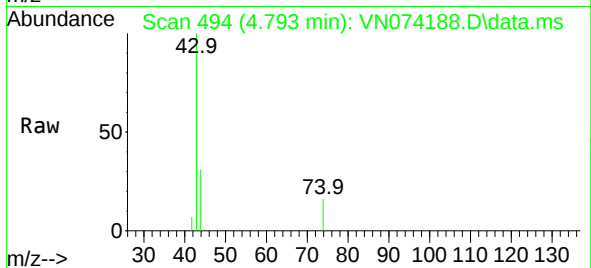




#18
Methyl Acetate
Concen: Below Cal
RT: 4.793 min Scan# 494
Delta R.T. 0.018 min
Lab File: VN074188.D
Acq: 31 Aug 2022 00:57

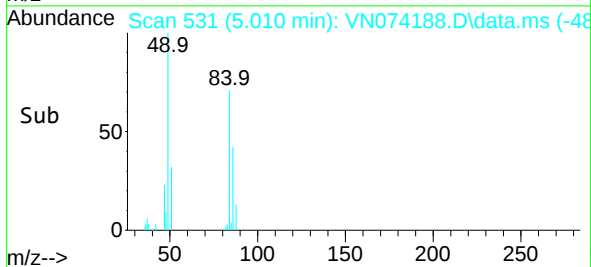
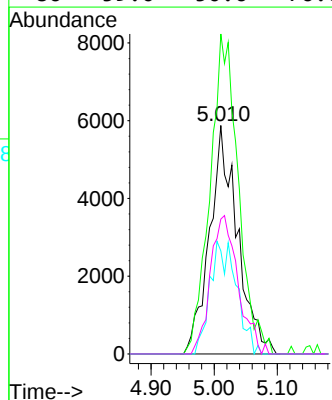
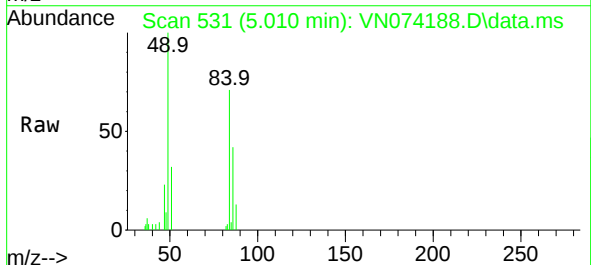
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#07

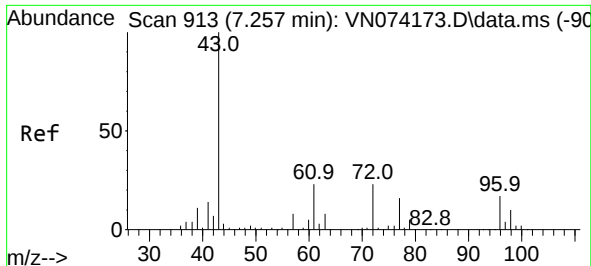
Tgt Ion: 43 Resp: 5900
Ion Ratio Lower Upper
43 100
74 7.9 21.6 32.4#



#20
Methylene Chloride
Concen: 5.458 ug/l
RT: 5.010 min Scan# 531
Delta R.T. 0.000 min
Lab File: VN074188.D
Acq: 31 Aug 2022 00:57

Tgt Ion: 84 Resp: 18032
Ion Ratio Lower Upper
84 100
49 140.1 88.3 132.5#
51 45.1 28.2 42.2#
86 59.0 50.6 76.0





#25

2-Butanone

Concen: 2.990 ug/l

RT: 7.263 min Scan# 913

Delta R.T. 0.006 min

Lab File: VN074188.D

Acq: 31 Aug 2022 00:57

Instrument :

MSVOA_N

ClientSampleId :

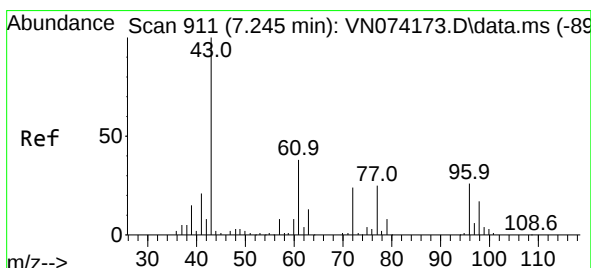
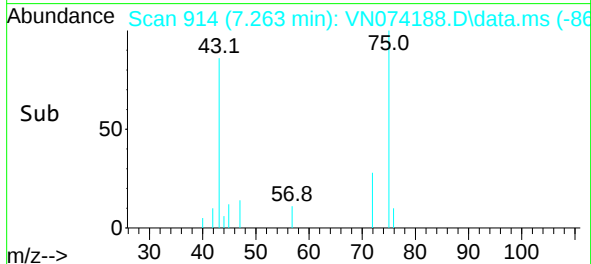
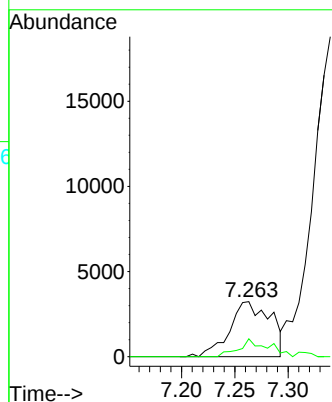
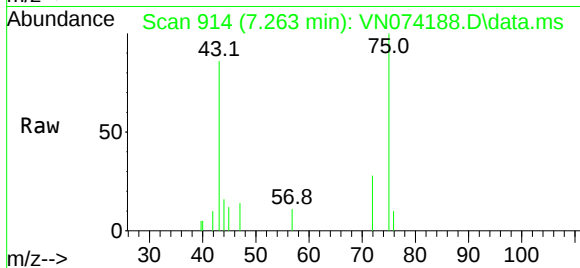
PB147340ZHE#07

Tgt Ion: 43 Resp: 8663

Ion Ratio Lower Upper

43 100

72 32.7 23.7 35.5



#26

2,2-Dichloropropane

Concen: 0.472 ug/l

RT: 7.234 min Scan# 909

Delta R.T. -0.011 min

Lab File: VN074188.D

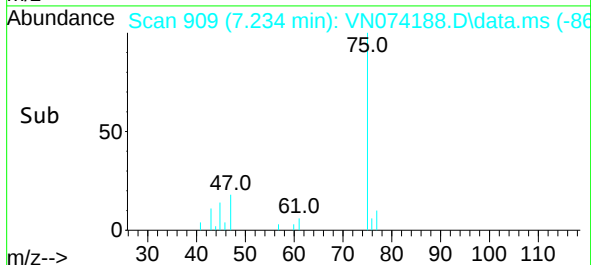
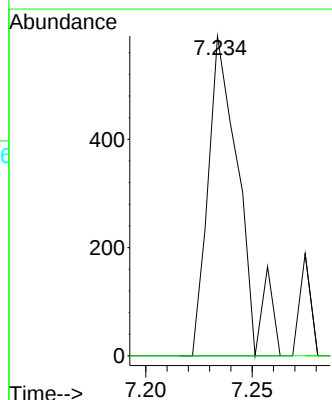
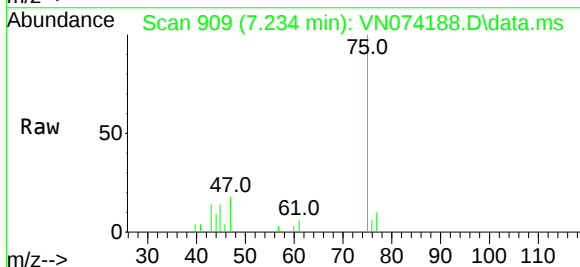
Acq: 31 Aug 2022 00:57

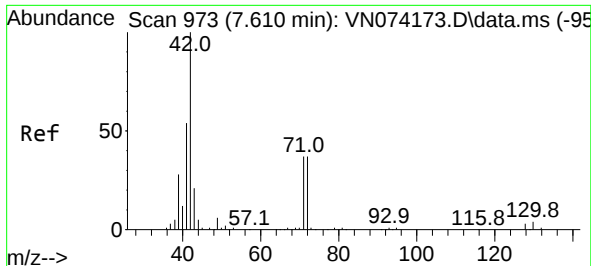
Tgt Ion: 77 Resp: 608

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#





#29

Tetrahydrofuran

Concen: 0.405 ug/l

RT: 7.598 min Scan# 91

Delta R.T. -0.012 min

Lab File: VN074188.D

Acq: 31 Aug 2022 00:57

Instrument :

MSVOA_N

ClientSampleId :

PB147340ZHE#07

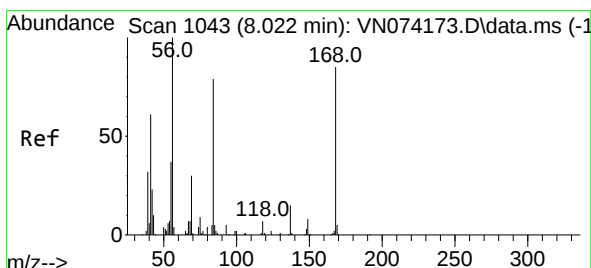
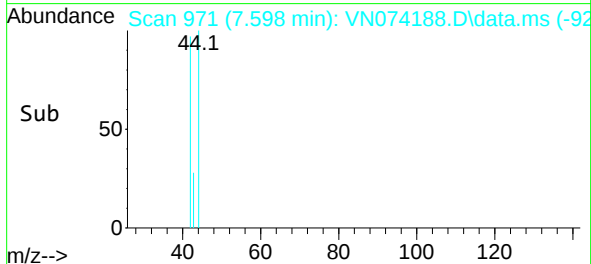
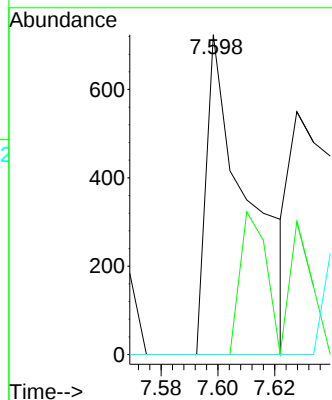
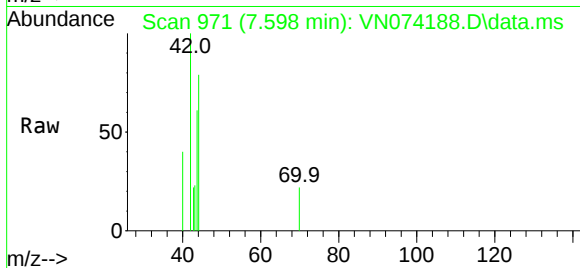
Tgt Ion: 42 Resp: 747

Ion Ratio Lower Upper

42 100

72 27.4 39.7 59.5#

71 0.0 36.6 55.0#



#31

Cyclohexane

Concen: 1.242 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN074188.D

Acq: 31 Aug 2022 00:57

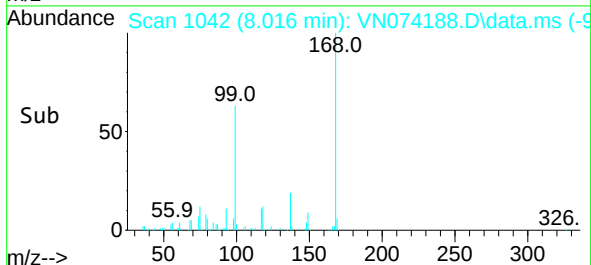
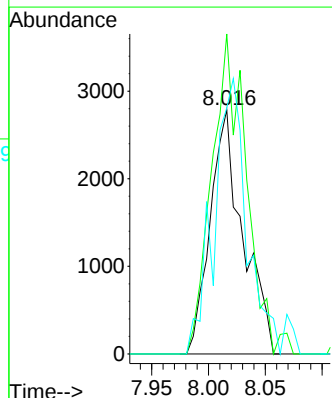
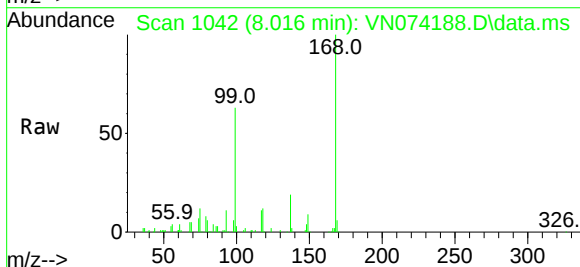
Tgt Ion: 56 Resp: 5560

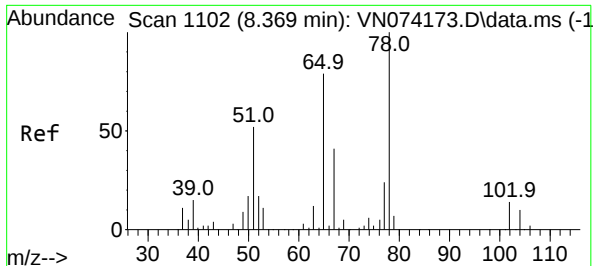
Ion Ratio Lower Upper

56 100

69 131.0 27.8 41.8#

84 100.7 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 51.506 ug/l

RT: 8.375 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VN074188.D

Acq: 31 Aug 2022 00:57

Instrument :

MSVOA_N

ClientSampleId :

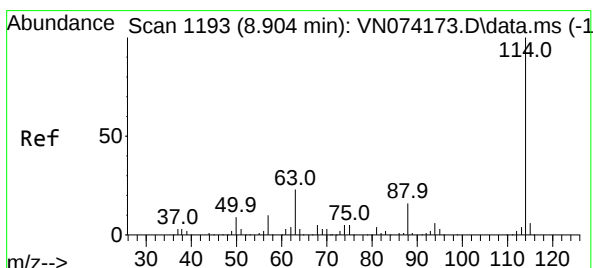
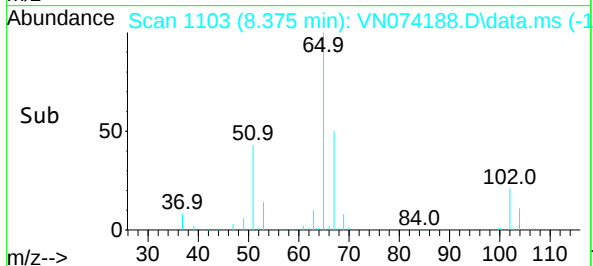
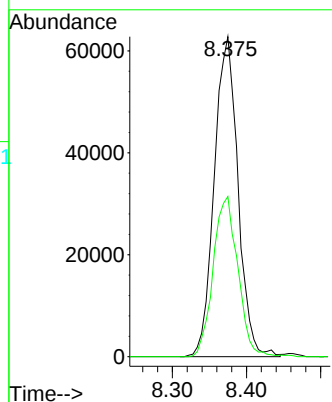
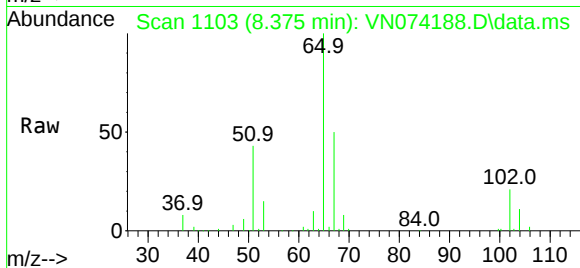
PB147340ZHE#07

Tgt Ion: 65 Resp: 139594

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN074188.D

Acq: 31 Aug 2022 00:57

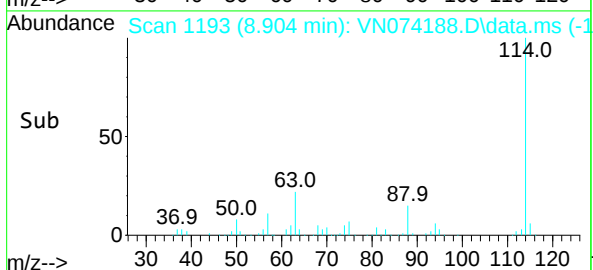
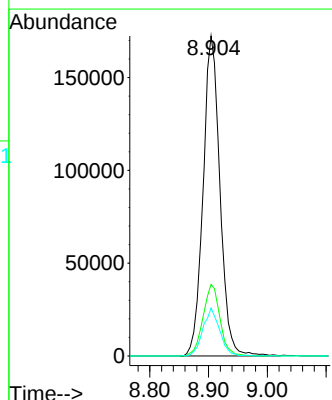
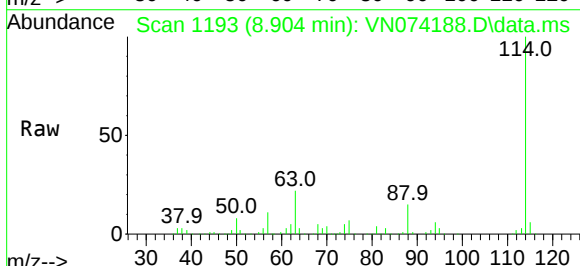
Tgt Ion: 114 Resp: 343842

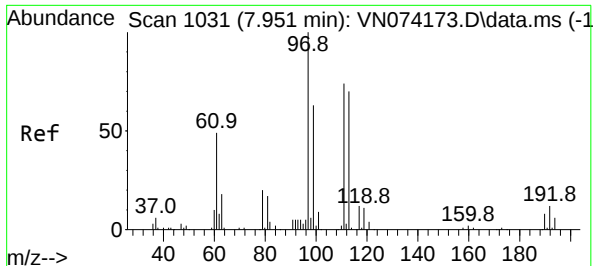
Ion Ratio Lower Upper

114 100

63 22.3 0.0 40.0

88 15.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.934 ug/l

RT: 7.957 min Scan# 1042

Delta R.T. 0.006 min

Lab File: VN074188.D

Acq: 31 Aug 2022 00:57

Instrument :

MSVOA_N

ClientSampleId :

PB147340ZHE#07

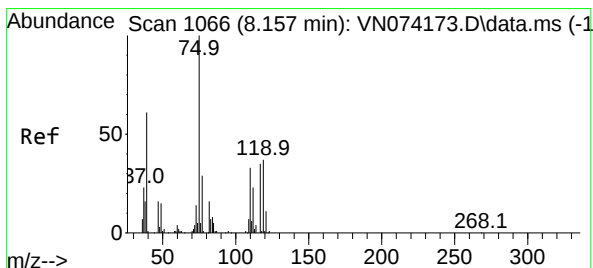
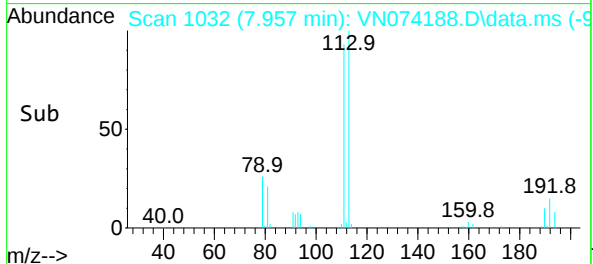
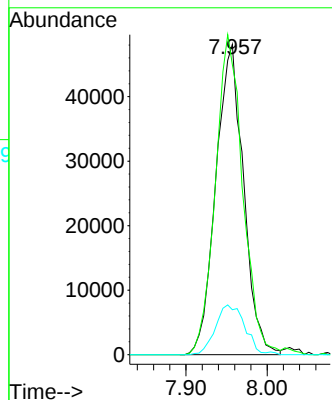
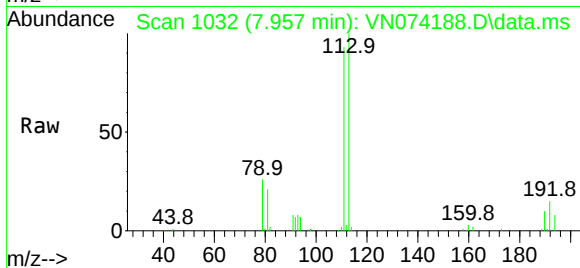
Tgt Ion:113 Resp: 113963

Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.0

192 17.1 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.725 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.141 min

Lab File: VN074188.D

Acq: 31 Aug 2022 00:57

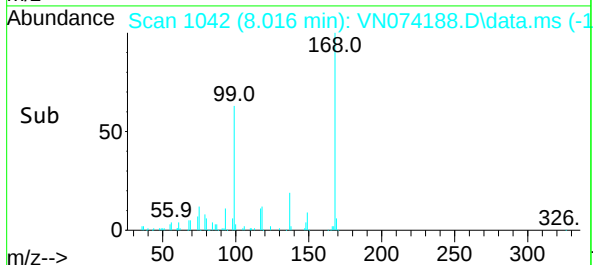
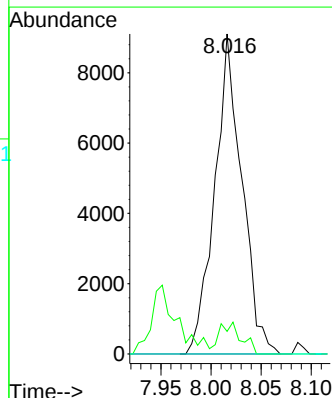
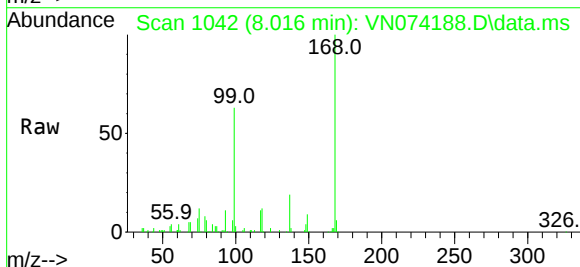
Tgt Ion: 75 Resp: 17154

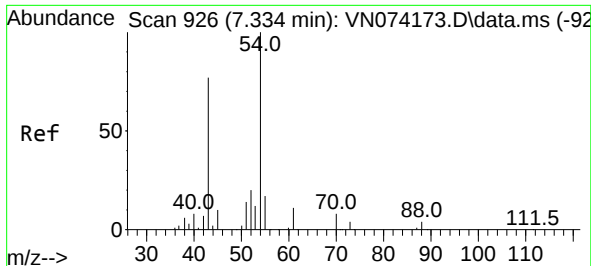
Ion Ratio Lower Upper

75 100

110 7.9 18.3 54.8#

77 0.0 25.1 37.7#

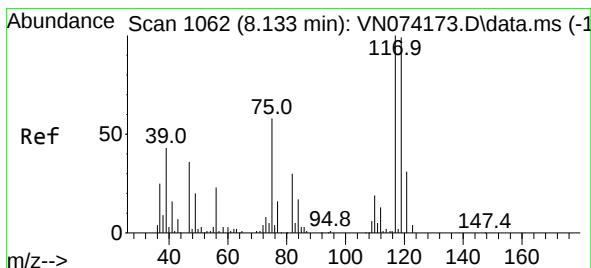
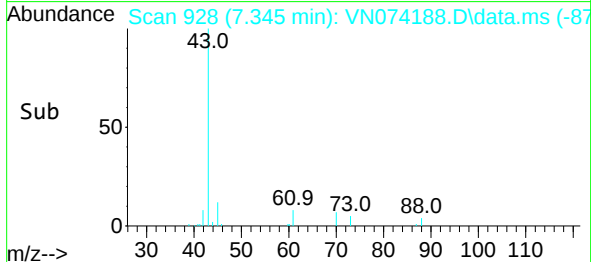
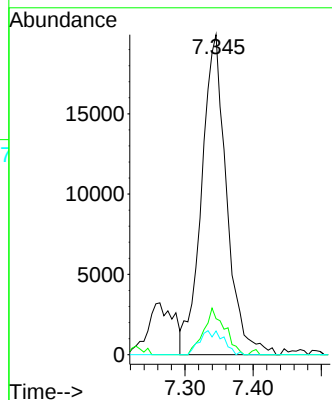
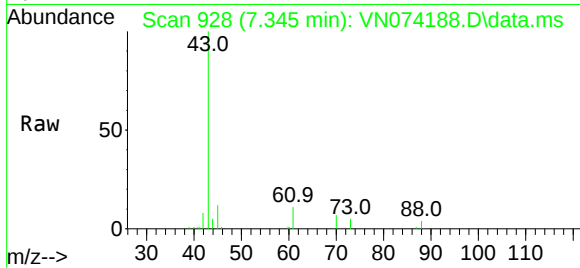




#37
Ethyl Acetate
Concen: 8.355 ug/l
RT: 7.345 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN074188.D
Acq: 31 Aug 2022 00:57

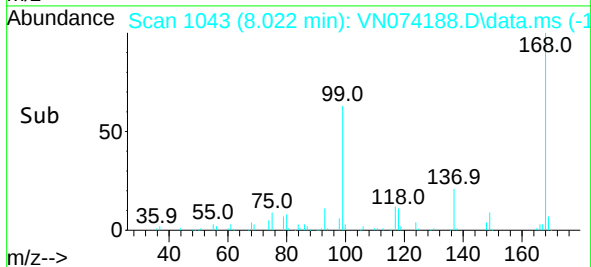
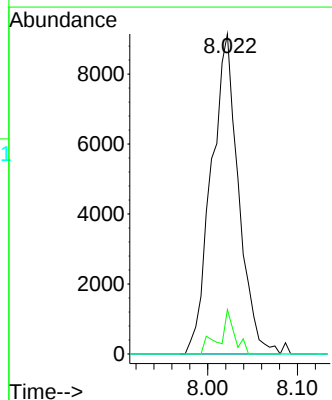
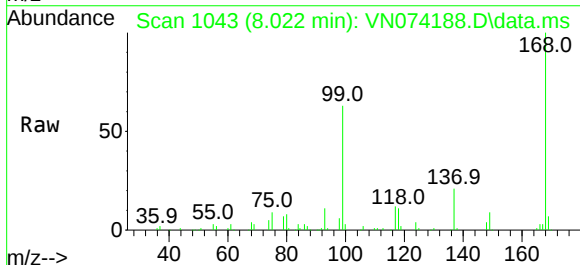
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#07

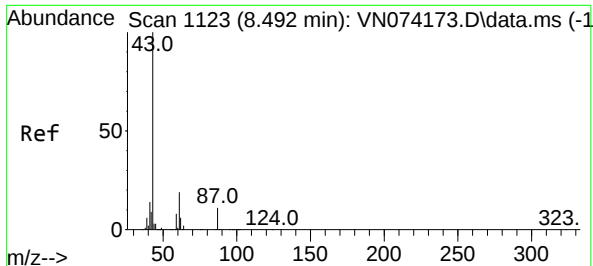
Tgt Ion: 43 Resp: 50727
Ion Ratio Lower Upper
43 100
61 12.2 11.8 17.6
70 7.2 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 5.853 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.111 min
Lab File: VN074188.D
Acq: 31 Aug 2022 00:57

Tgt Ion: 117 Resp: 19294
Ion Ratio Lower Upper
117 100
119 13.8 75.8 113.8#
121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 23.239 ug/l

RT: 8.498 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN074188.D

Acq: 31 Aug 2022 00:57

Instrument :

MSVOA_N

ClientSampleId :

PB147340ZHE#07

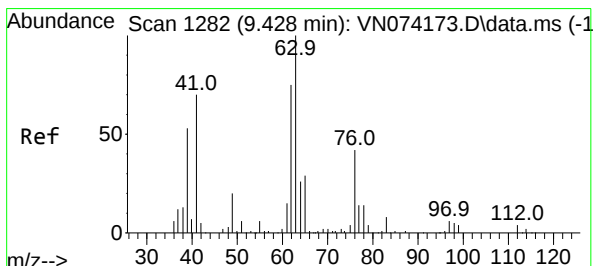
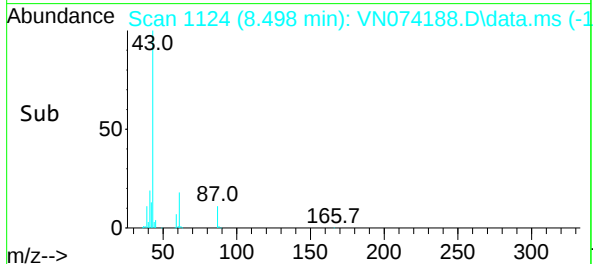
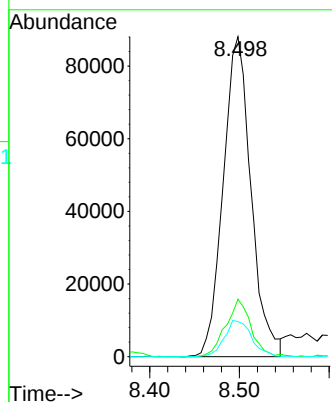
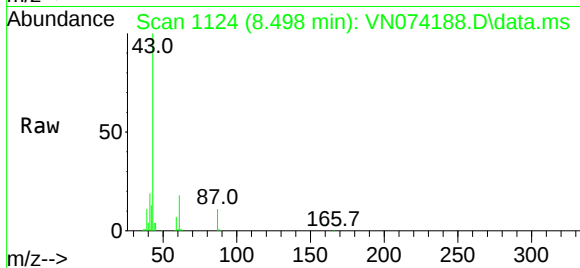
Tgt Ion: 43 Resp: 189672

Ion Ratio Lower Upper

43 100

61 16.4 21.9 32.9#

87 11.1 12.0 18.0#



#45

1,2-Dichloropropane

Concen: 0.948 ug/l

RT: 9.563 min Scan# 1305

Delta R.T. 0.135 min

Lab File: VN074188.D

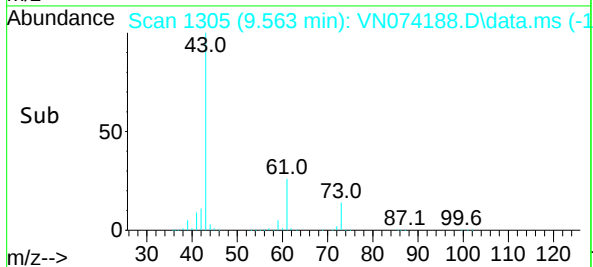
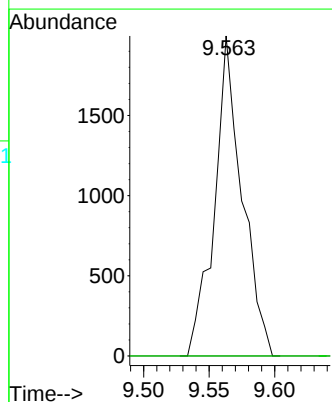
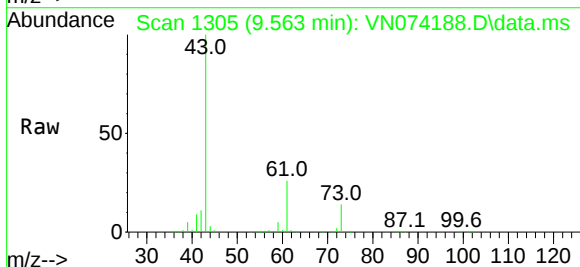
Acq: 31 Aug 2022 00:57

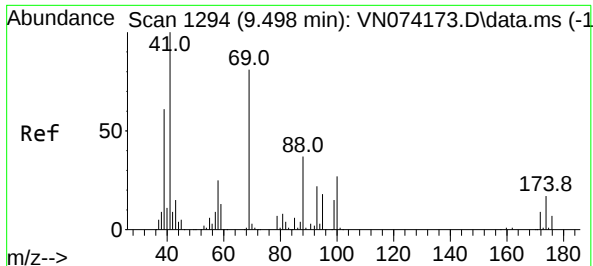
Tgt Ion: 63 Resp: 2919

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#

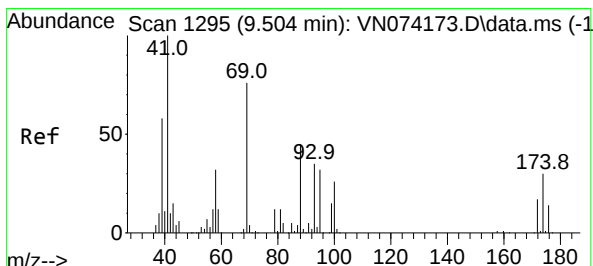
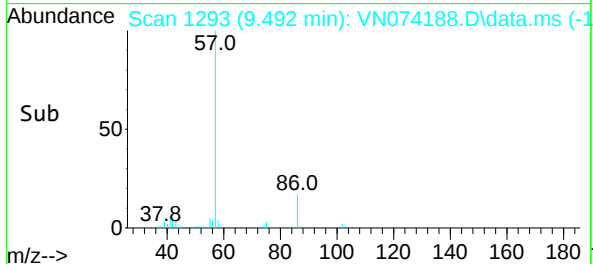
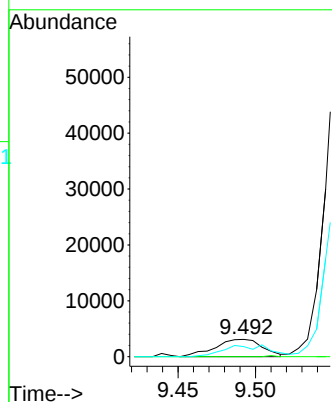
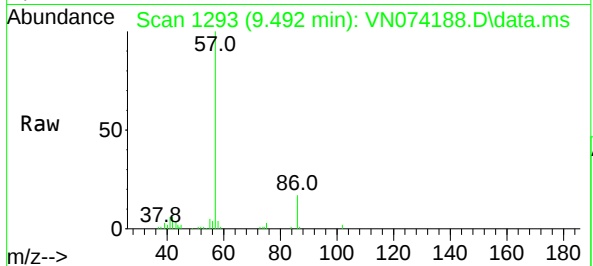




#48
Methyl methacrylate
Concen: 1.703 ug/l
RT: 9.492 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074188.D
Acq: 31 Aug 2022 00:57

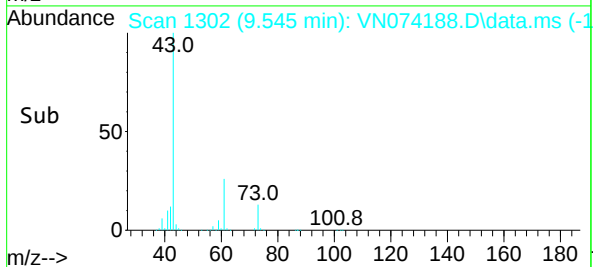
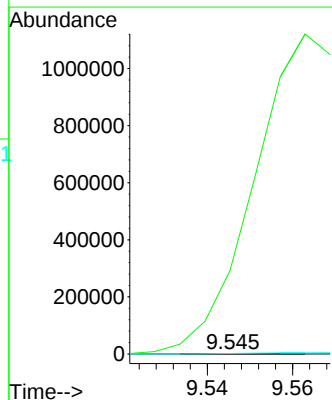
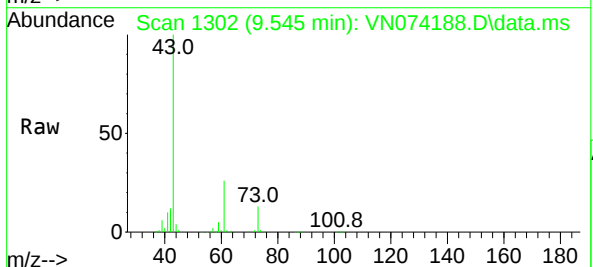
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#07

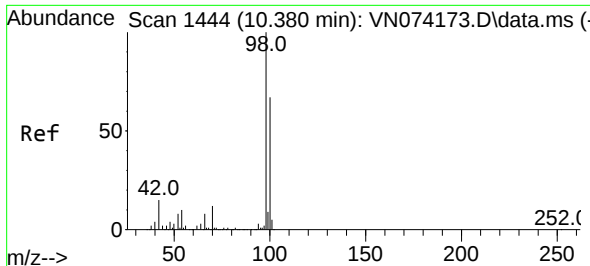
Tgt Ion: 41 Resp: 6601
Ion Ratio Lower Upper
41 100
69 1.1 74.7 112.1#
39 64.4 45.6 68.4



#49
1,4-Dioxane
Concen: 0.933 ug/l
RT: 9.545 min Scan# 1302
Delta R.T. 0.041 min
Lab File: VN074188.D
Acq: 31 Aug 2022 00:57

Tgt Ion: 88 Resp: 78
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 0.0 54.2 81.4#

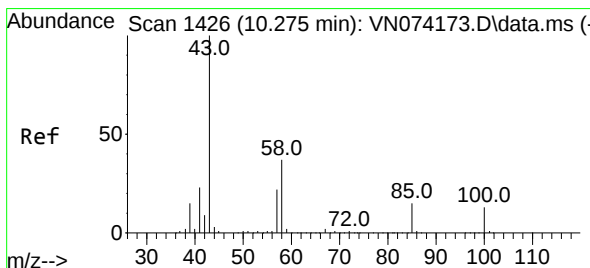
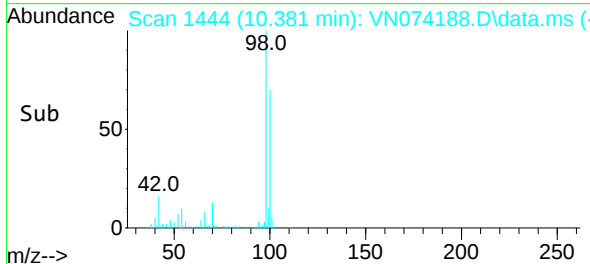
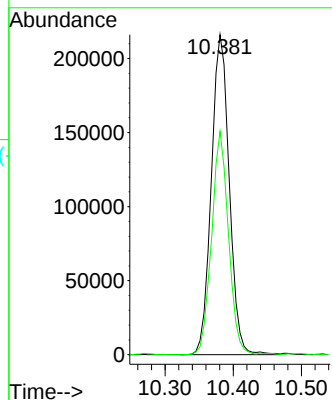
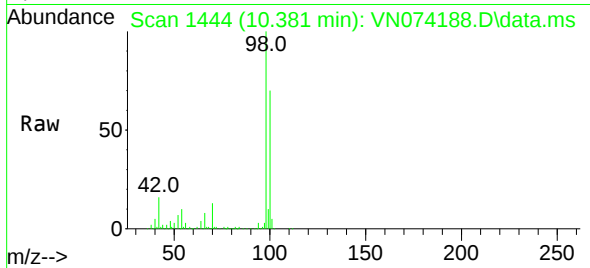




#50
Toluene-d8
Concen: 44.932 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074188.D
Acq: 31 Aug 2022 00:57

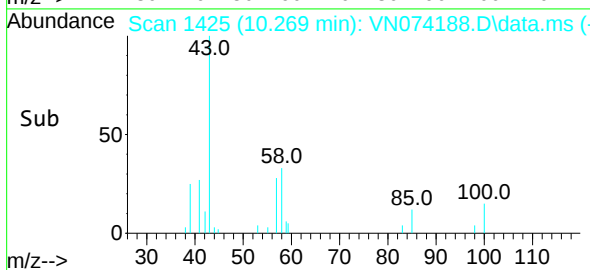
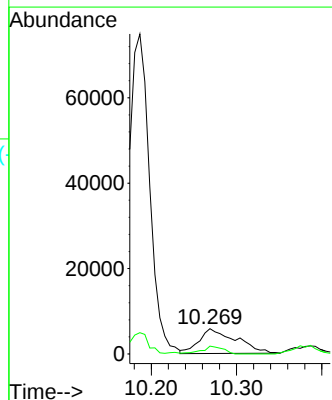
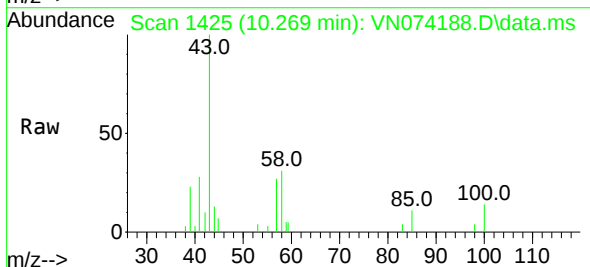
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#07

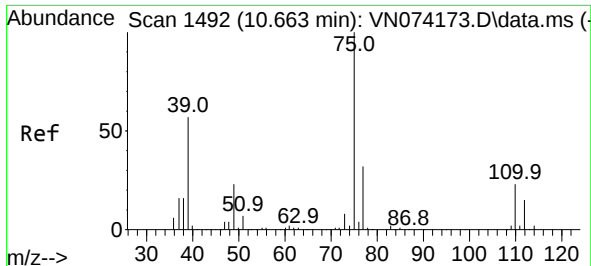
Tgt Ion: 98 Resp: 395915
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 2.934 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN074188.D
Acq: 31 Aug 2022 00:57

Tgt Ion: 43 Resp: 17379
Ion Ratio Lower Upper
43 100
58 18.2 34.1 51.1#

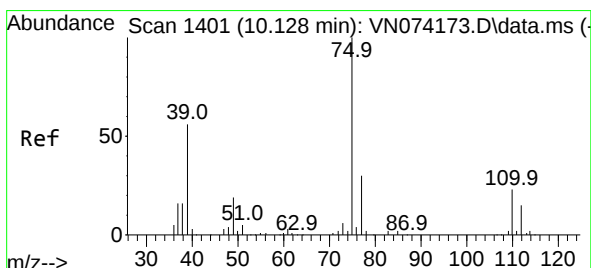
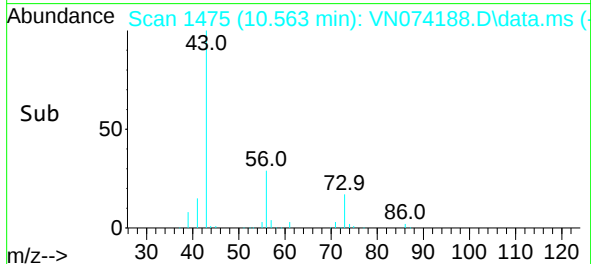
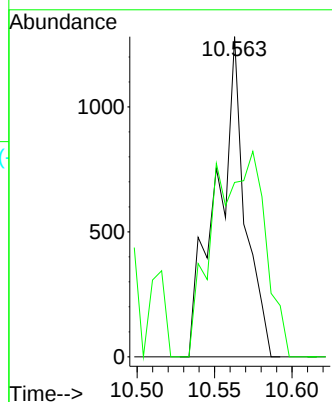
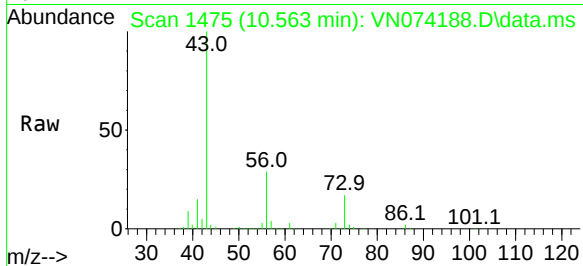




#53
t-1,3-Dichloropropene
Concen: 0.427 ug/l
RT: 10.563 min Scan# 1475
Delta R.T. -0.100 min
Lab File: VN074188.D
Acq: 31 Aug 2022 00:57

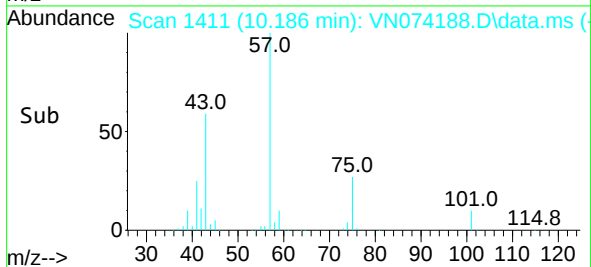
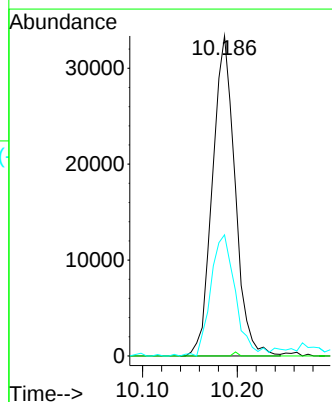
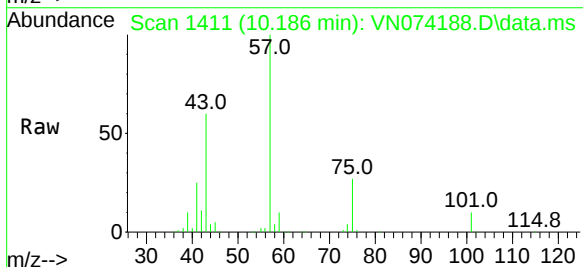
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#07

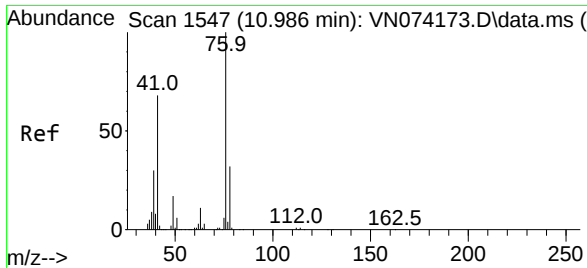
Tgt Ion: 75 Resp: 1629
Ion Ratio Lower Upper
75 100
77 54.5 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 12.941 ug/l
RT: 10.186 min Scan# 1411
Delta R.T. 0.059 min
Lab File: VN074188.D
Acq: 31 Aug 2022 00:57

Tgt Ion: 75 Resp: 55334
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#
39 37.8 35.7 53.5

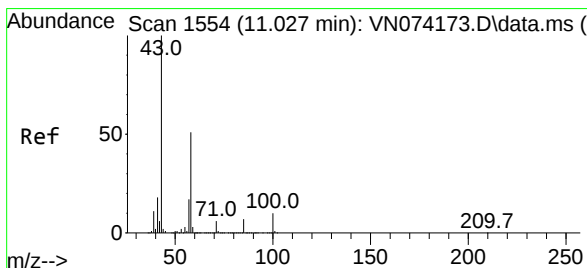
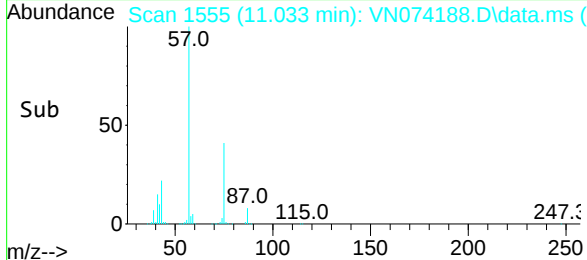
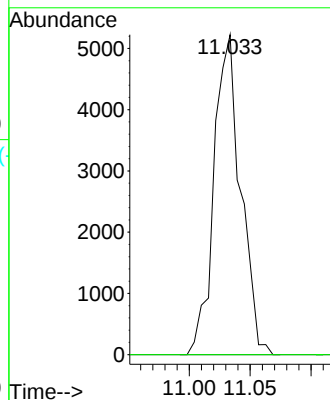
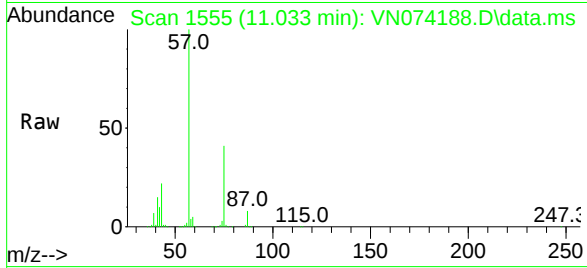




#57
1,3-Dichloropropane
Concen: 1.578 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.047 min
Lab File: VN074188.D
Acq: 31 Aug 2022 00:57

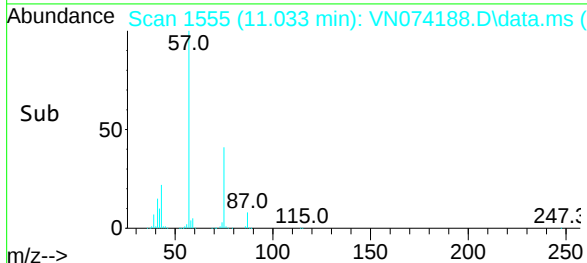
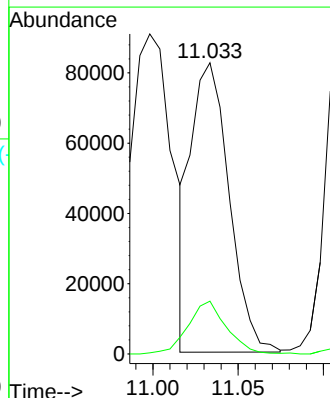
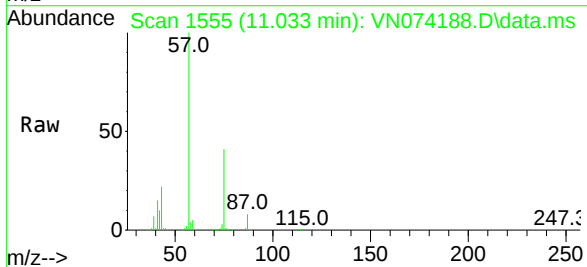
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#07

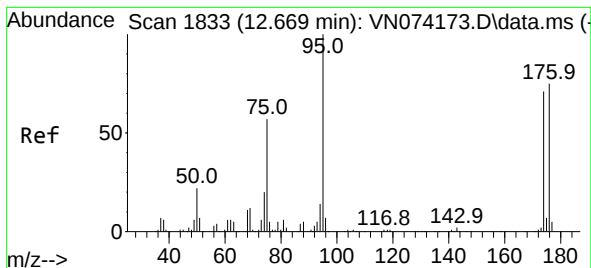
Tgt Ion: 76 Resp: 7969
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#



#59
2-Hexanone
Concen: 28.505 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN074188.D
Acq: 31 Aug 2022 00:57

Tgt Ion: 43 Resp: 128137
Ion Ratio Lower Upper
43 100
58 18.5 29.7 89.1#

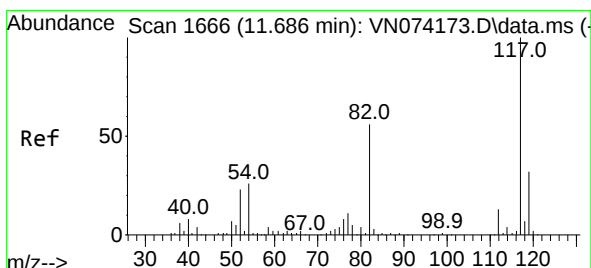
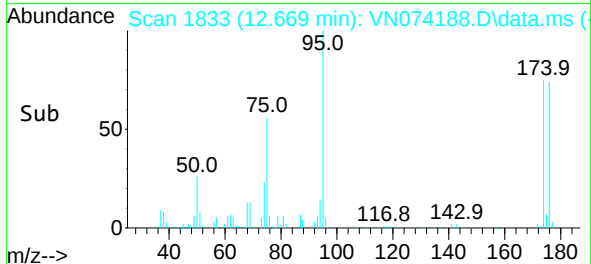
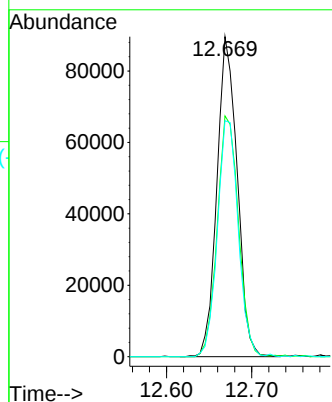
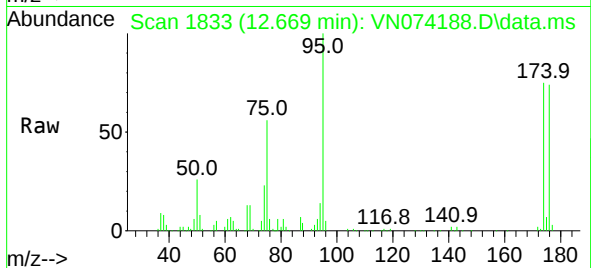




#62
4-Bromofluorobenzene
Concen: 55.193 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN074188.D
Acq: 31 Aug 2022 00:57

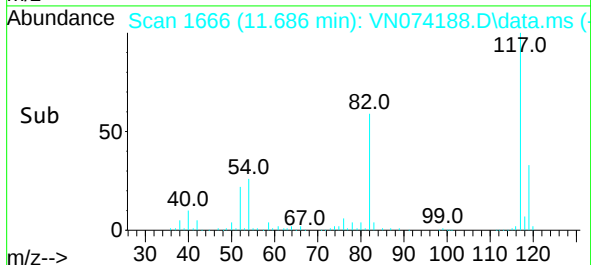
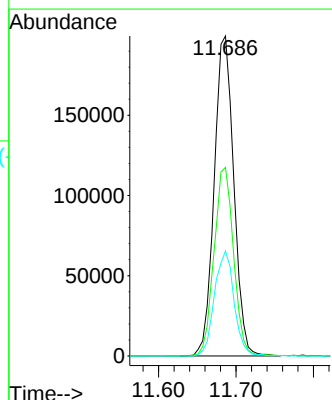
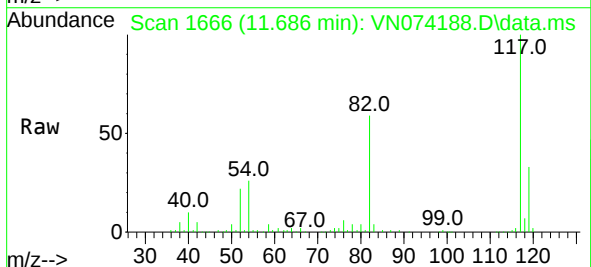
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#07

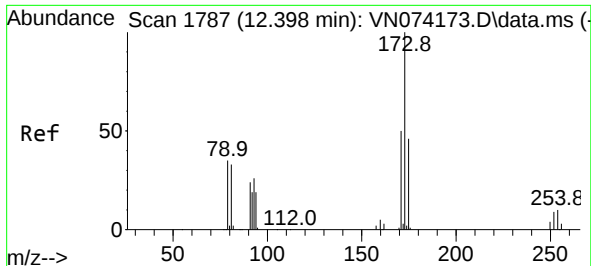
Tgt Ion: 95 Resp: 147895
Ion Ratio Lower Upper
95 100
174 78.8 0.0 167.6
176 76.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074188.D
Acq: 31 Aug 2022 00:57

Tgt Ion: 117 Resp: 350705
Ion Ratio Lower Upper
117 100
82 58.9 44.2 66.2
119 32.8 25.4 38.0

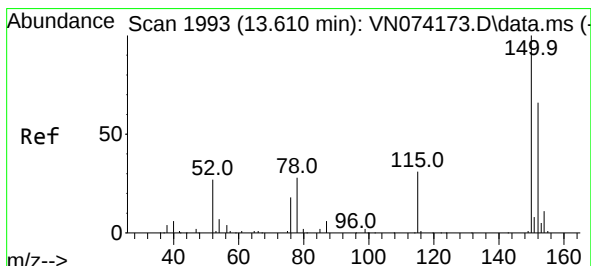
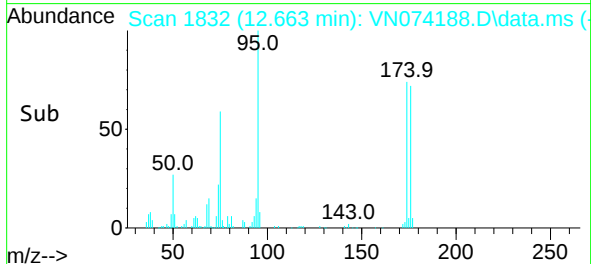
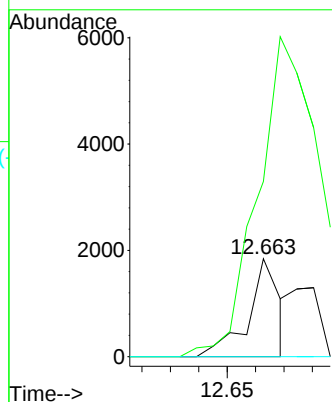
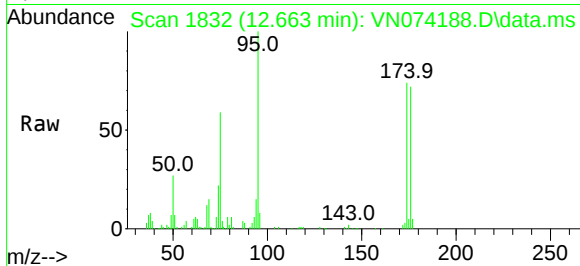




#71
Bromoform
Concen: 0.593 ug/l
RT: 12.663 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN074188.D
Acq: 31 Aug 2022 00:57

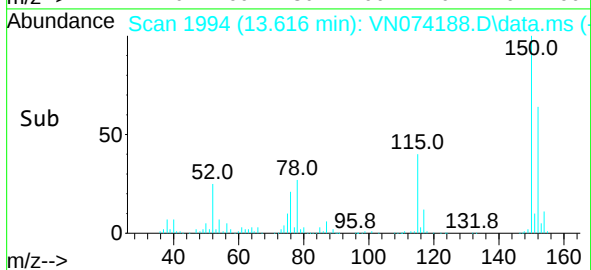
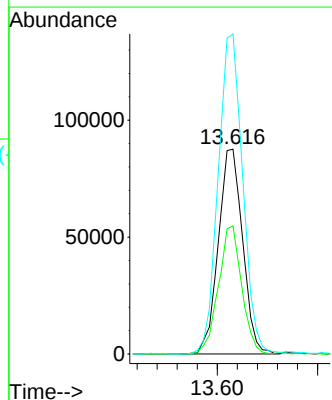
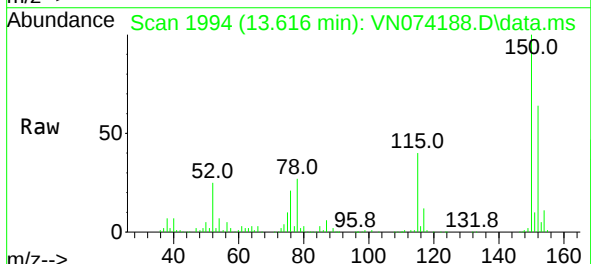
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#07

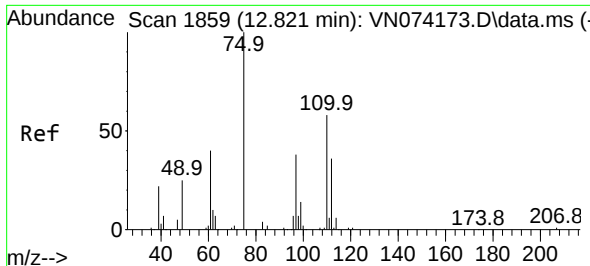
Tgt Ion:173 Resp: 1409
Ion Ratio Lower Upper
173 100
175 449.3 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VN074188.D
Acq: 31 Aug 2022 00:57

Tgt Ion:152 Resp: 147303
Ion Ratio Lower Upper
152 100
115 59.7 28.9 86.7
150 158.5 0.0 356.2

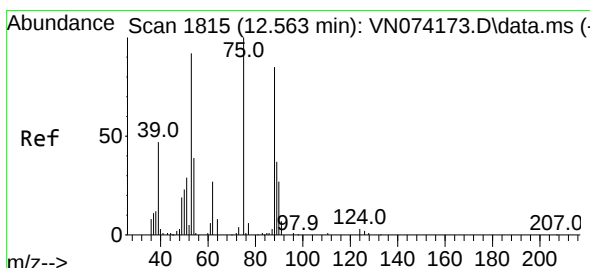
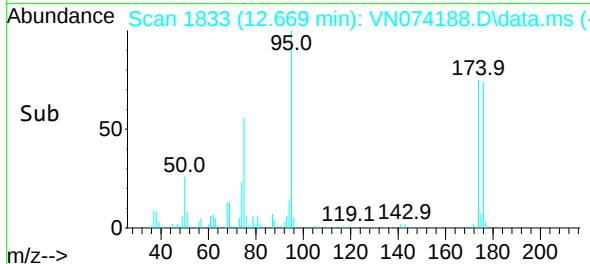
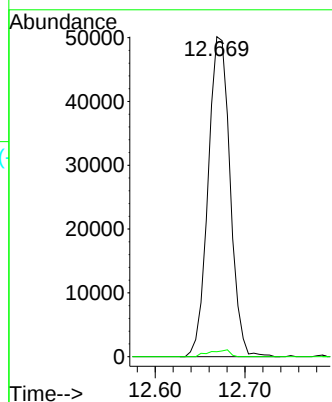
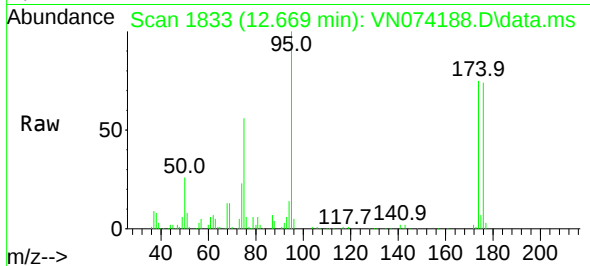




#76
1,2,3-Trichloropropane
Concen: 23.127 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.152 min
Lab File: VN074188.D
Acq: 31 Aug 2022 00:57

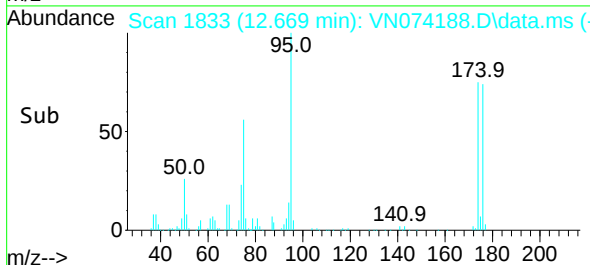
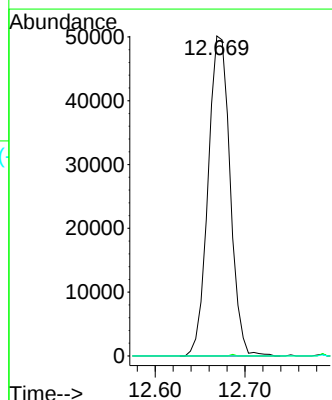
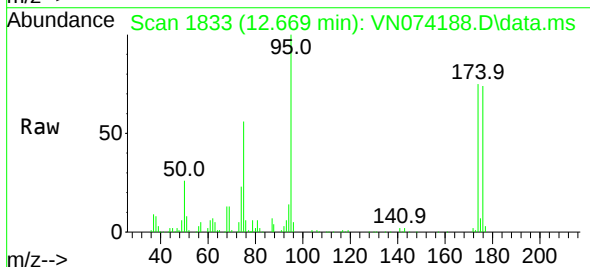
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#07

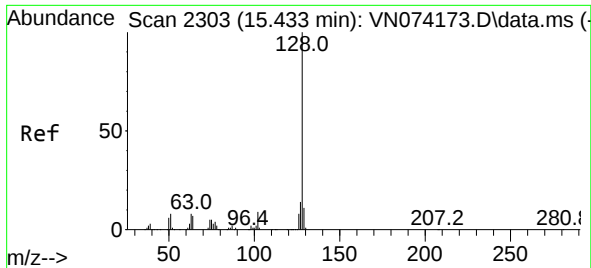
Tgt Ion: 75 Resp: 85216
Ion Ratio Lower Upper
75 100
77 2.0 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.048 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN074188.D
Acq: 31 Aug 2022 00:57

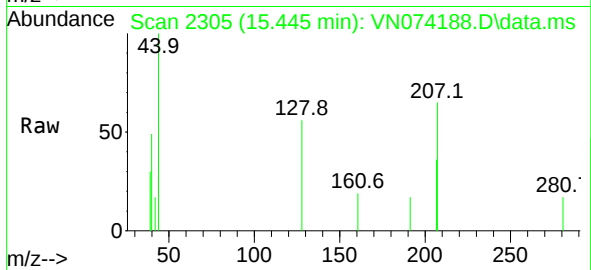
Tgt Ion: 75 Resp: 85216
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#





#95
 Naphthalene
 Concen: 1.212 ug/l
 RT: 15.445 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN074188.D
 Acq: 31 Aug 2022 00:57

Instrument :
 MSVOA_N
 ClientSampleId :
 PB147340ZHE#07



Tgt Ion:	128	Resp:	692
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#

